

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF US 1 AND ASSATEAGUE AVE./CRESTMOUNT RD. IN HOWARD COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

CONTROLLER OPERATION

THE EXISTING EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. THE INTERSECTION OPERATION WILL NOT BE CHANGED.

PHASE CHART

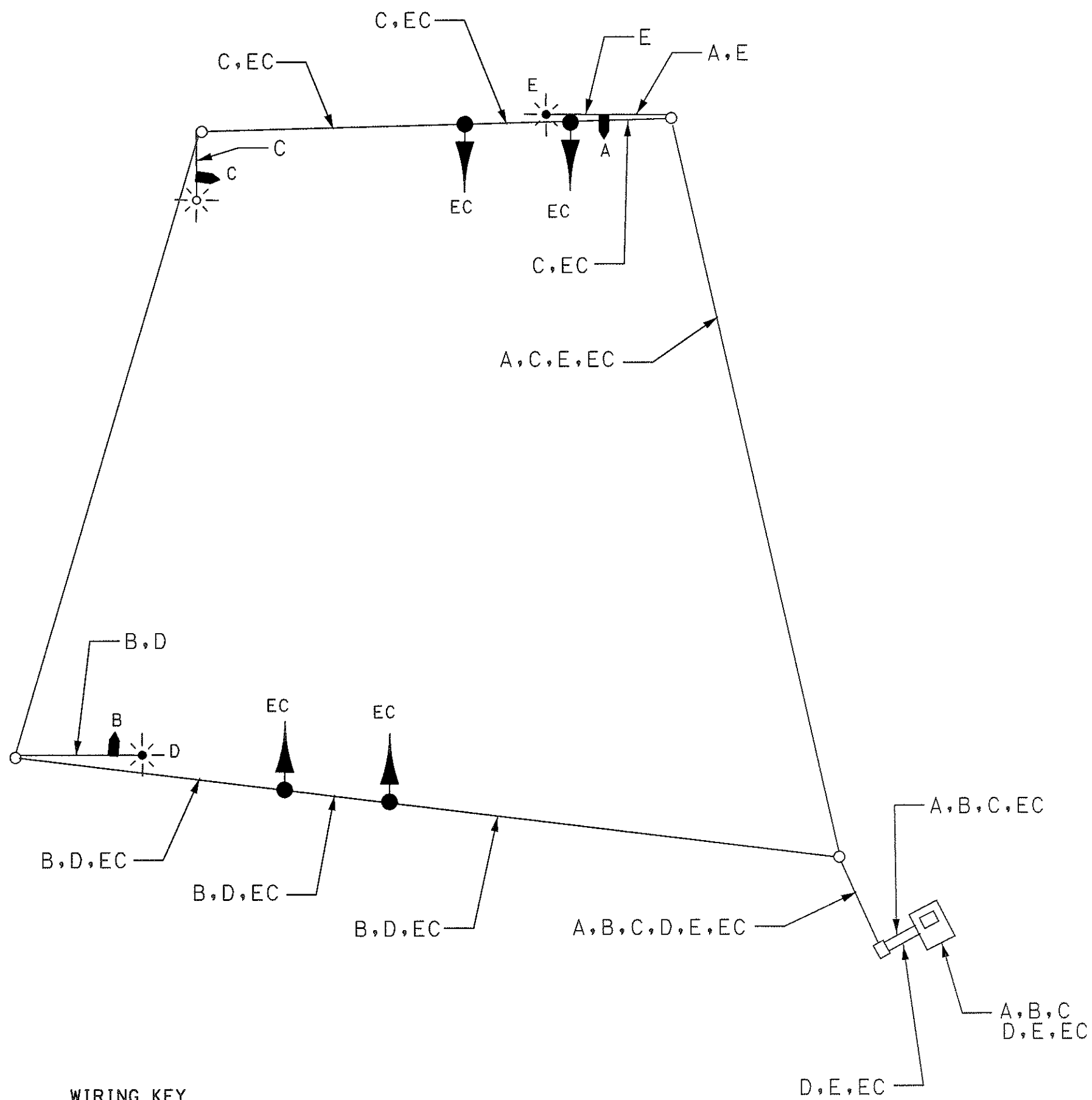
	1	2	3	4	5	6	7	8	9	
PHASE 2 + 5	R	R	G	G	G	R	R	R	R	
2 + 5 CHANGE	R	R	G	G	G	R	R	R	R	
PHASE 2 + 6	G	G	G	G	G	R	R	R	R	
2 + 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	
PHASE 4 & 8	R	R	R	R	R	G	G	G	G	
4 & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5001	25 LF	FURNISH AND INSTALL 5 IN. YELLOW HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
5004	130 LF	FURNISH AND INSTALL 24 IN. HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
5005	4 EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LETTER
5006	2 EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
8046	430 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 A.W.G.)
8055	2 EA	FURNISH AND INSTALL 250 WATT HPSV LUMINIARE WITH PHOTOCCELL
8056	2 EA	FURNISH AND INSTALL 15 FT. LIGHTING BRACKET ARM FOR TRAFFIC SIGNAL STRUCTURE
8060	1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
8084	12 EA	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8142A	3 EA	FURNISH AND INSTALL "SOLOPRO" CAMERA, BRACKET AND 250 FT. CABLE
8143A	1 EA	FURNISH AND INSTALL "SOLOPRO" CAMERA CONTROL EQUIPMENT
---	3 EA	REPLACE HANDHOLE FRAME AND COVER
---	3 EA	INSTALL STRAIN POLE MOUNTED SIGNS

WIRING DIAGRAM



WIRING KEY

A-C VIDEO DETECTION CABLE
D-E 2-CONDUCTOR ELECTRICAL CABLE
(NO. 12 A.W.G.)
EC EXISTING CABLE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA AND INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
---	1 EA	SHIELD ASSEMBLY (NORTH, US 1, ARROW) 36" X 75" - STRAIN POLE MOUNT
---	1 EA	SHIELD ASSEMBLY (SOUTH, US 1, ARROW) 36" X 75" - STRAIN POLE MOUNT
---	1 EA	SHIELD ASSEMBLY (SOUTH, US 1 ARROW) 24" X 51" - STRAIN POLE MOUNT

CONTACT PERSONS FOR DISTRICT 7 ARE AS FOLLOWS:

MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(301) 624-8141

MR. JIM BUCKALEW
ASSISTANT DISTRICT ENGINEER - UTILITIES
(301) 624-8110

MR. LEON KERNS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(301) 624-8106

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

MR. DAVID SCHWARTZ
SUPPLY OFFICE IV (SIGNAL SHOP WAREHOUSE)
(410) 787-7668

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR
AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION,
7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.
THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652
AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

NOTE: ALL REMOVED SIGNAL EQUIPMENT AND MATERIAL
SHALL BECOME THE PROPERTY OF THE CONTRACTOR



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
US 1 AT ASSATEAGUE DRIVE/CRESTMOUNT ROAD

DRAWN BY: M. HOWELL	F.A.P. NO. _____	TS NO. _____	SHEET NO. 2 OF 2
CHECKED BY: T. ZAYDEL	S.H.A. NO. BW996M2	TS-913E GI	
SCALE: NONE	COUNTY: HOWARD	T.I.M.S. NO. _____	
DATE: 10-22-01	LOG MILE: _____		